

TIMOFEYEVSKIY, A.D., laureat Stalinskoy premii, deystvitel'nyy chlen.

[Modern theory on the causes of cancer] Sovremennoe uchenie o prichinakh
rakovoi bolezni. Moskva, Izd-vo "Znanie," 1953. 33 p. (MLRA 6:8)

1. Akademiya meditsinskikh nauk SSSR.

(Cancer research)

TIMOFEYEVSKIY, A.D.; GORODETSKIY, A.A., professor; CHALAYA, M., mladshiy nauchnyy sotrudnik.

Studies of the comparative effects of X rays on normal and neoplastic human tissue explants following single and repeated exposures.
Vest.rent.i rad. no.6:15-22 N-D '53. (MLRA 7:1)

1. Iz otdela eksperimental'noy tsitologii (zaveduyushchiy - deystvitel'-nyy chlen Akademii meditsinskikh nauk SSSR A.D.Timofeyevskiy) i otdela eksperimental'noy rentgenologii (zaveduyushchiy - professor A.A.Gorodetskiy) Instituta eksperimental'noy biologii im. akademika A.A.Bogomol'tsa (direktor - professor O.A.Bogomolets) Ministerstva zdravookhraneniya USSR.

(X rays--Physiological effect)

TIMOFEYEVSKIY, A. D.
Excerpta Medica Sec 16 Cancer Vol. 2/4 April 54.

1571. TIMOFEYEVSKIY A. D. and BENEVOLENSKAYA S. V. *Malignant changes in rat connective tissue in explantates (Russian text)* Arkh. Patol. (Mosk.) 1953, 15/3 (15-22) Illus. 6

A report on observations made over a period of 10-13 months on explantates (Carrel dishes) of muscles and connective tissue of new-born rats. Malignant changes were observed from the 8th month when methylcholanthrene (0.02 mg./100 ml.) in horse serum was added as well as a drop of nucleoprotein obtained from polymorphous rat sarcoma. Inoculation into young rats had positive results. The production of malignancy in tissue cultures was not possible with methylcholanthrene alone.

Brandt - Berlin

*Head, Dept. Tissue Explanation, Inst. Clinical Physiology
in A. A. Bogomoletskiy, Acad. Sci. Ukr. SSR*

TIMOFEYEVSKIY, A.D. (Kiyev)

Modern theories on the origin of neoplasms. Arkh. pat. 16 no.3:
13-26 J1-S '54. (MLRA 7:10)

1. Deystvitel'nyy chlen AMN SSSR.
(NEOPLASMS, etiology and pathogenesis,
theories)

BENYUMOVICH, M.S.; TIMOFEYEVSKIY, A.D.; ARKHANGEL'SKIY, V.V. (Moskva)

Long-term cultures (cellular strain) of dedifferentiated
human astrocytoma. Vop. neirokhir. 26 no.5:1-4 S-0'62

(MIRA 17:4)

1. Laboratoriya kul'tivirovaniya tkaney Instituta eksperimental'-
noy i klinicheskoy onkologii AMN SSSR i patologoanatomicheskoy
laboratorii Instituta neyrokhirurgii imeni akademika N.N.Burdenko
AMN SSSR.

TIMOFEYEVSKIY, A.D.

French-Soviet symposium on the problem "Biology of the cancer cell". Vestn. Akad. med. nauk SSSR 18 no.4:93-96 '63
(MIRA 17-4)

ACCESSION NR: AP4025306

S/0000/63/000/000/0163/0172

AUTHORS: Kalmy*kov, A. A.; Timofeyev, A. D.; Pankrat'yev, Yu. I.;
Nozdrachev, M. G.

TITLE: Investigation of a plasma source with the aid of a through
passage mass spectrometer

SOURCE: Diagnostika plazmy* (Plasma diagnostics); sb. statey.
Moscow, Gosatomizdat, 1963, 163-172

TOPIC TAGS: mass spectrometer, plasma source, plasmoid, plasmoid
acceleration, plasma injection, ion separation

ABSTRACT: In view of the lack of information on the internal struc-
ture of plasmoids and of a satisfactory description of the mechanism
of plasma acceleration in different plasma guns, and in view of the
difficulty of interpreting the experimental results on interaction
between plasmoids and magnetic fields owing to the lack of this in-

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ACCESSION NR: AT4025306

formation, a method is proposed wherein more detailed microscopic characteristics can be obtained with the aid of through-passage mass spectrometer. This mass spectrometer was used to investigate the mass and energy spectra of plasmoids from a Bostick gun (W. H. Bostick, Phys. Rev. v. 104, 2, 292, 1956). The operation of all the units of the instrument is described in detail in a separate article (Pribery* i tekhnika eksperimenta, in press). The conditions for optimal mass separation are described. In view of the short transit time employed, there is no need for additional modulation. The apparatus yields mass spectra of ions of given energy, from which the energy spectra of particles having different masses can be plotted. The angular distributions of the ions of different masses and energies were also investigated and it was found that ions with larger velocities form a narrower velocity cone than the slower ions. It is therefore concluded that measurement of the true energy distribution must be accompanied by measurement of the angular distribution of the particles and the number of particles of given energy must be

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ACCESSION NR: AT4025306

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integrated over all the angles in order to ensure accuracy. The duration of the discharge exerts little influence on the energy spectra. The length of the plasmoid changes as it moves from the source because of the spread in particle velocity, and since the particle velocity decreases with increasing mass, the light ions are concentrated in the frontal part of the plasmoid and the heavy ones in the tail part. This spatial separation of the ions increases with increasing transit length. In the absence of the magnetic field the slow ions are rapidly lost because of the broad velocity cone. There are grounds for assuming that the plasmoids produced by other plasma guns, particularly coaxial, show a similar behavior. Orig. art. has: 9 figures.

ASSOCIATION: None

SUBMITTED: 19Oct63

DATE ACQ: . 16Apr64

ENCL: 00

SUB CODE: NP, ME

NR REF SOV: 003

OTHER: 003

Card 3/3

Timofeyevskiy, A.D.

USSR/Medicine - Malignant tumors

Card 1/1 Pub. 77 - 6/23

Authors : Timofeyevskiy, A. D., Act. Mem. Acad. Med. Sci. SSSR

Title : Malignant tumors

Periodical : Nauka i Zhizn' 21/10, 14-16, Oct 1954

Abstract : The author finds that malignant tumors do not appear in healthy tissue but that some pathological condition has to precede their appearance. He noted a connection between the functioning of the nervous system and the growth of a tumor. It is pointed out that sometimes tumors are produced by chemical irritants or radiation, and an analysis is made of experiments endeavoring to determine whether tumors are caused by viruses. The author finds the latter theory to be inconclusive.

Institution : ...

Submitted : ...

TIMOFEYEV'S'KIY, O.D.

Present status of the theories of the virus etiology of tumors.
Medych.zhur.24 no.2:21-34 '54. (MLRA 8:10)

1. Institut fiziologii im.O.O. Bogomol'tsya Akademii nauk URSR.
(NEOPLASMS, etiology and pathogenesis,
viral theory)
(VIRUSES, viral the
viral theory of etiol. of tumors)

TIMOFEYEVSKIY, A.D.

Some results of an experimental study on the etiology of tumors.

Vest. AMN SSSR no.4:20-30 '55.

(MLRA 9:2)

1. Deystvitel'nyy ohlen AMN SSSR.
(NEOPLASMS, etiology and pathogenesis,
exper. studies (Rus))

Smirnova-Zamkova, Aleksandra I.
TIMOFEYEVSKIY, A.D.

Aleksandra Ivanovna Smirnova-Zamkova. Arkh.pat. 17 no.3:93-94
Jl-S '55. (MLRA 8:12)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR.
(BIOGRAPHIES,
Smirnova-Zamkova, Aleksandra I.)

TIMOFEYEVSKIY, O.D.; BENEVOLEN'SKA, S.V.

Problem of malignancy in tissue cultures. Visnyk AN URSR 26 no.3:
34-40 Mr '55. (MIRA 8:5)
(Tumors) (Tissue culture)

TIMOFEYEVSKIY, A.D.

Tissue cultures in vitro and the problem of tumors. Priroda 45
no.6:13-22 J. '56. (MLRA 9:8)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR.
(TISSUE CULTURE) (TUMORS)

^C
TIMOFEYEVSKIY, A.D. (Moskva)

Significance of the tissue culture method in oncology. Pat. fiziol.
i eksp. terap. 1 no.3:6-14 My-Je '57. (MLRA 10:10)

1. Iz instituta eksperimental'noy patologii i terapii raka AMN SSSR
(dir. - chlen-korrespondent AMN SSSR prof. N.N. Blokhin). 2.
Deyatvitel'nyy chlen AMN SSSR (for Timofeyevskiy)

(NEOPLASMS, exper.

tissue culture methods in hist.)

(TISSUE CULTURE

methods in oncology in hist.)

TIMOFEYEVSKIY, A. D.,

"Globular Virus-like Bodies in Human Tumors," paper presented
at the 7th Int'l Cancer Congress, London, 6-12 July 1958.

1 : TIMOFEEVSKIY, A.D

26-58-5-10/57

AUTHOR: Bergol'ts, V.M., Candidate of Medical Sciences

TITLE: On the Problem of Etiology of the Neoplasms (K voprosu ob etiologii opukholey) At the Second All-Union Congress of Oncologists (Na 2-m vsesoyuznom s''yezde onkologov)

PERIODICAL: Priroda, 1958, Nr 5, pp 57-59 (USSR)

ABSTRACT: The Second All-Union Conference of Oncologists in January 1958 dealt with problems of the etiology of tumors, pre-tumor diseases, chemotherapy of tumors, tumors of the bones, and the organization of the anti-cancer fight in the USSR. At the first oncologists' conference 11 years ago, only one paper by Professor L.A. Zil'ber dealt with the virus theory of cancer. This theory became one of the principal themes at the new conference. It was opened by N.N. Petrov, the oldest oncologist of the USSR and Hero of Socialistic Labor. The first paper was delivered by Professor L.A. Zil'ber. It was intitled "On the Virus Nature of the Tumors of Man" and described over 20 tumors and similar processes in animals, the virus origin of which he thinks has been proved. Among them were the sarkoma and leucosis of chickens, the papilloma and fibroma of rabbits, mammary gland cancer and

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26-58-5-10/57

On the Problem of Etiology of the Neoplasms. At the Second All-Union Congress of Oncologists

leucosis of mice. Under the electron microscope, virus-like etiologic agents were found in matter isolated from the tissues of men suffering from leucosis, but the virus origin of most malignant tumors of man have not as yet been demonstrated. A.D. Timofeyevskiy found virus-like globular bodies measuring from 40 to 80 millimicrons in the extracts of diverse tumors of man (cancer of the stomach, the mamary gland, the lung, sarkoma, etc). Immunological reactions showed the specific nature of these bodies. Professor L.F. Larionov criticized the virus theory. He based his doubts on data from medical literature but thought it was possible that some animal tumors were of virus origin, although there is no evidence yet with respect to man. Professor M.A. Morozov, in his paper "Virusoscopic Observations in Malignant Tumors of Man", holds that virus penetration from without is the etiologic factor. I.N. Mayskiy and M. M. Kapichnikov delivered a paper on the immunology of malignant neoplasms. In sarkoma of chickens and several tumors of man, special antigens were found. This agrees with A.D. Timofeyevskiy's discovery of virus-like bodies

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26-58-5-10/57

On the Problem of Etiology of the Neoplasms. At the Second All-Union Congress of Oncologists

found in the blood and tissues of people suffering from malignant neoplasms. These bodies could be cultivated in chicken embryos and possess specific antigen properties. It was demonstrated in the State Oncological Institute imeni P.A. Gertsen that in the organism of leucosis patients a non-cellular etiologic agent can be found that has many characteristics of a virus. Most oncologists, however, did not hold true that viruses are the only etiologic factor in malignant tumors. They think that chemical substances and penetrating radiation must be considered of similar etiologic importance. The papers delivered by L.M. Shabad, M.F. Glazunov, A.M. Neyman and others were concerned with the morphological and experimental data characterizing the pre-cancer stage in various tissues and organs of the animal organism. According to L.M. Shabad, every cancer has its special "pre-cancer". The importance of early diagnosis and therapeutic measures was stressed once more. Professor L.F. Larionov pointed out that more than 30 chemical drugs have been successfully administered against malignant tumors in recent years in the USSR. The drugs include the follow-

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26-58-5-10/57

On the Problem of Etiology of the Neoplasms. At the Second All-Union Congress of Oncologists

ing groups: hormones (estrogens, androgens, cortisone); antifolic drugs (aminopterin); derivatives of purine and pyrimidine (mercaptopurine); chlorethylamines and their derivatives (embichine, nitromine, derganol, dopan sarko-lysine); ethylenimines (TET, TEF, E 39, etc); esters of methanesulfoxylic acids (mileran); antibiotics (aktinomyacin, sarkomyacin), etc. In some cases, such as lymphogranulomatosis, metastases of cancer of the mammal gland, seminoma, etc; long-term healing was achieved by aid of these drugs. While they are useful in cases of lymphogranulomatosis and leucoses, there is almost no way they can be applied in the more important and frequent cases of malignant tumors of the stomach, alimentary tract, lungs, etc. Although 23 papers dealt with the results of new experimental research, new methods of a combined chemotherapy, radiation treatment and surgical measures were recommended.

ASSOCIATION: Gosudarstvennyy onkologicheskii institut imeni P.A. Gertsena, Moskva (State Oncological Institute imeni P.A. Gertsen, Moscow)

AVAILABLE: Library of Congress

Card 4/4 1. Cancer research - USSR 2. Tumors - Therapy

TIMOFEYEVSKIY, A.D., prof.

Main achievements in the study of the etiology of tumors. Vest.AMI
SSSR 13 no.2:3-7 '58. (MIRA 11:3)

1. Deystvitel'nyy chlen AMN SSSR.
(NEOPLASMS, etiol. & pathogen.
present concepts (Rus))

TIMOFEEVSKIY, A.D., prof. (Moskva)

Recent data on the ultra fine structure of cancer cells;
review of the literature. Pat.fiziol. i eksp.terap. 3
no.2:3-13 Mr-Apr '59. (MIRA 12:6)

1. Deystvitel'nyy chlen AMN SSSR.

(NEOPLASMS

cancer cells, electron microscopy, review (Rus))

(MICROSCOPY, ELECTRON

of cancer cells, review (Rus))

TIMOFEYEVSKIY, A.D.

Viruslike globular bodies in human tumors. Vop.onk. 5 no.3:262-265
'59. (MIRA 12:12)

1. Institute of Experimental Pathology and Therapy of Cancer, Moscow.
Adres avtora: Moskva, 3-ya Meshchanskaya ul., d.61/2, korp. 9, Insti-
tut eksperimental'noy patologii i terapii raka.

(NEOPLASMS, pathol.

virus-like globular bodies in human tumors (Rus))

TIMOFEYEVSKIY, A.D.

Long-term tissue cultures and malignant degeneration of cells.
Vest. AMN SSSR 19 no.11:3-9 '64. (MIRA 18:3)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR,
Moskva.

TIMOFFEYEVSKIY, A.D. (Moskva, Begovaya ul., 11, kv. 39)

Importance of tissue culture in the study of oncogenic viruses.
(MIRA 17:6)
Vop. onk. 8 no.9:3-9 '62.

1. Iz Instituta eksperimental'noy i klinicheskoy onkologii
AMN SSSR (dir.- deystvitel'nyy chlen AMN SSSR, prof. N.N. Blokhin).

TIMOFEYEVSKIY, A.D., prof.

Tissue culture in oncology. Priroda 52 no.2:27-32 '63. (MIRA 16:2)

1. Deystvitel'nyy chlen AMN SSSR.
(Oncology) (Tissue culture)

TIMOFEYEVSKIY, A.D.

Biology of a cancer cell at the 8th International Cancer
Research Congress. Usp.sovr.biol. 54 no.3:368-374 N-D '62.
(MIRA 16:1)

(ONCOLOGY--CONGRESSES)

TIMOFEYEVSKIY, A.D.

Tissue culture in the study of some problems of oncology. Vest.AMN
SSSR 17 no.6:17-23 '62. (MIRA 15:8)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.
(TISSUE CULTURE) (ONCOLOGY)

TIMOFEYEVSKIY, A.D.

Current status of the problem of the viral etiology of malignant
tumors in man. Vop. virus. 6 no. 6:643-650 M-D '61. (MIRA 15:2)
(CANCER) (VIROLOGY)

TIMOFEYEVSKIY, Aleksandr Dmitriyevich; BRAUDE, A.I., red.; KUZ'MINA,
N.S., tekhn. red.

[Role of viruses in the genesis of tumors] Rol' virusov v
vozniknovenii opukholei. Moskva, Medgiz, 1961. 186 p.

(MIRA 15:1)

(VIRUSES)

(TUMORS)

TIMOFEYEVSKIY, A.D., prof.

Current status and future prospects in the study of the virus
etiology of tumors. Vest.AMN SSSR 15 no.4:17-29 '60.

(MIRA 14:5)

1. Institut eksperimental'noy i klinicheskoy onkologii AMN SSSR.
Deystvitel'nyy chlen AMN SSSR.
(TUMORS) (VIRUS DISEASES)

67

Ore deposits and structure of the Zmeinogorskii de-
posits. B. A. Timofeevskii. *Soviet Geol.* 1940, No. 2-3,
60-78. Au, BaSO₄ and Pb, Zn, Cu and Fe as various
sulfides are found. F. H. Rathmann

1

INTERNATIONAL CLASSIFICATION

TIMOFEEVSKIY, I. A.

Ca

8

Chemical composition of Mal-Kaln ore (Russia)
 D. A. Timofeevskii and S. K. Kalinin. *Isvestiya Akad. Nauk SSSR, Ser. Khim. Nauk*, 1939, No. 12, 8-11. — The Mal-Kaln ore deposits situated near the city of Pavlodar, Russia, can be divided into 2 types: Au-Ag bearing ores and polymetallic Cu-Pb-Zn ores. The results of mineralogical and chem. studies are summarized as follows: The Au-Ag ores are being exploited for Au and Ag and contain sufficient Cu and S for com. exploitation. The polymetallic deposits contain Au, Ag, Cu, Zn and Pb in sulfide ores in sufficient quantities for com. exploitation. Of the rare metals, Se and In are found in com. quantities in sulfide ores. Other metals found in small quantities are: Mo, Sn, As, Sb, Ga, Ni, Co and V.
 H. N. Daniloff

ASS. SLA METALLURGICAL LITERATURE CLASSIFICATION

TIMOFEYEVSKIY, A.D.

Some results of obtaining strains of human tissue in explants. Vop.
onk. 6 no. 10:3-8 0 '60. (MIRA 14:1)

(TISSUE CULTURE) (TUMORS)

TIMOFEYEVSKIY, D.A.

Lead-zinc mineralization in gold ore deposits of eastern
Transbaikalia. Trudy IGEM no.83:445-467 '63. (MIRA 16:11)

TIMOFEEVSKIY, D.A.
25425

O Poiskoykh Kriteriyakh Kontaktovo-metasomaticheskikh Zolotorudnykh
Metorozhdeniy Vostochnykh Sayan. Sov. Geologiya, No. 32, 1948, s. 72-74

SO: LETOPIS NO. 30, 1948

TIMOFEEVSKIY, D.A.

25425 Timofeevskiy, D. A. O voiskovykh kriteriyakh kontaktoveretatsionaticheskikh
Zelcterudnykh Meteorozheniy Vostochnykh Sayan. Sov. Geologiya, No. 32, 1948, s.
72-74

SO: Letopis' Zhurnal Statey, No. 30, Moscow, 1948

TIMOFEEVSKIY, P.

26723. TIMOFEEVSKIĬ, P. Zimnii sanitarnyi transport. (In: Entsiklopedicheskiĭ slovar' voennoi meditsiny, ed. E. I. Smirnov. Moskva, 1947. t. 2, col. 814-16, illus.) *Titles tr.:* Winter transport of wounded and sick. (In: Encyclopedic dictionary of war medicine).

Contains an outline of special conditions and requirements of winter transportation of wounded; types of vehicles (with illus. of litter-sled and ambulance sledge); keeping the injured and sick warm; bedding; heating. Bibliography (10 items).

Copy seen: DSG.

TIMOFEYEVSKIY, T.

Prospects for mechanizing the work of engineers and administrative personnel in Leningrad industry. Sots. trud 6 no.7:49-59
Jl '61. (MIRA 16:7)

(Leningrad Province—Industrial management)
(Office equipment and supplies)

KAZACHKOV, D.L.; TIMOFEYEVSKIY, T.P., inzh., retsenzent

[Mechanization of structural design] Mekhanizatsiia
proektno-konstruktorskikh rabot. Moskva, Mashinostroenie,
1964. 179 p. (MIRA 17:8)

BIRSHTEYN, Mariya Mironovna; NEYMARK, Mariya Moiseyevna;
TIMOFEYEVSKIY, T.P., red.; FREGER, D.P., red. izd-va;
BELOGUROVA, I.A., tekhn. red.

[Mechanized system of mass documentation for enterprises
(Soviet and foreign practices)] Mekhanizirovannoe sostav-
lenie massovoi dokumentatsii na predpriatiakh (sovetskii
i zarubezhnyi opyt); obzor. Leningrad, 1962. 111 p.
(MIRA 16:3)

(Information storage and retrieval systems)

LEVINSON, Nikolay Grigor'yevich [deceased]; GEYDYSH, S.S., inzh., retsenzent;
GINTSBURG, M.V., inzh., retsenzent; LUGOVOY, M.V., inzh., retsenzent;
REZNIK, I.S., inzh., retsenzent; TROYANOVSKIY, V.V., inzh., retsenzent;
TIMOFEYEVSKIY, T.P., inzh., red.; BARYKOVA, G.I., red. izd-va; MODEL',
B.I., tekhn. red.

[Mechanization of management control (management technology)]
Mekhanizatsiia upravlencheskogo truda (orgatekhnika). Moskva,
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol. 1. 1958.
386 p. (MIRA 12:2)
(Automatic control) (Industrial management)

VLASOV, Yevgeniy Modestovich; TIMOFEYEVSKIY, T.P., red.

[Microphotocopying of scientific and patent and
technical information] Mikrofotokopirovanie v nauchnoi
i patentno-tekhnicheskoi informatsii. Leningrad, 1965.
34 p. (MIRA 18:5)

TIMOFEYEVSKIY, V.

Be careful even at a green light. Za bezop.dvizh. 5 no.8:12
Ag '62. (MIRA 15:8)
(Moscow--Traffic accidents)

TIMOFEYEVSKIY, V.

Results of carelessness. Za bezop.dvizh. 5 no.7:14-15 J1
'62. (MIRA 15:3)
(Moscow--Automobiles--Maintenance and repair)

TIMOFEYEVSKIY, V.

Thirty years of driving experience. Za bezop.dvizh. 4
no.3:6-7 Mr '62. (MIRA 15:5)
(Automobile drivers)

TIMOFEYEVSKIY, V.

Priceless relic. Za bezop.dvizh. no.4:2 of cover Ap '60.
(MIRA 13:12)
(Lenin, Vladimir Il'ich, 1870-1924--Museums, relics, etc.)

TIMOFEYUD, M. V., LUKYANOV, S. F.

Fishery Products

Mechanizing the conveyance of small fish by means of inert vibrators, Ryb. khoz.,
28 No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, July 1952, Uncl.

NURMUKHAMEDOV, R.N.; TIMOFFEYUK, G.H.; CHAPLINA, I.M.; NAGORNAYA, L.L.

Spectroscopic study of dianthrylethylenes. Zhur. fiz. khim. 38
no.10:2465-2469 0 '64. (MIRA 18:2)

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova.

L 5062-66 EWT(m)/EPF(c)/EWP(j) RPL WW/RM

ACCESSION NR: AP5025509

UR/0062/65/000/009/1607/1613

547.1'3+547.362+546.34

AUTHOR: Talalayeva, T. V.; Timofeyuk, G. V.; Rodionov, A. N.; Kocheshkov, K. A.

TITLE: Lithium acetylenides

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 9, 1965, 1607-1613

TOPIC TAGS: organolithium compound, acetylene, benzene, hexane, ether, lithium

ABSTRACT: The authors synthesized crystalline lithium acetylenides in benzene, hexane, and ether in the range of 0 to -50C, using acetylene alkylacetylenes, and solutions of ethyllithium, n-butyllithium, n-amyllithium, phenyllithium, and p-tolyllithium. The products were analyzed for lithium, and their IR spectra were taken. In some cases, the compounds obtained were decomposed with heavy water, and the deuterated products were studied. It was thus shown that when acetylene reacts with solutions of organolithium compounds, lithium acetylenide is formed. When acetylene reacts with aliphatic organolithium compounds in hexane at 0 - 25C, crystalline lithium acetylenide is formed in 75 - 80% yield; when alkylacetylenes react with these compounds at -50C, lithium alkylacety-

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ACCESSION NR: AP5025509

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lenides are formed in 75 - 90% yield. To refine the positions of the main bands in the IR spectra, isotope-substituted lithium acetylenides were synthesized by using lithium-6 and euterium, and the IR spectra of the products were recorded. Lithium acetylenide is stable on standing, apparently because stable complexes are formed between its molecules.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physicochemical Institute) 4/4, 55

SUBMITTED: 25Jun63

ENCL: 00

SUB CODE: OC, GC

NO REF SOV: 009

OTHER: 012

Card 2/2 Md

SERGEYEV, N.M.; SHAPET'KO, N.N.; TIMOFEYUK, G.V.

Nuclear magnetic resonance spectra of F^{19} in trifluorostyrenes. Zhur.
strukt. khim. 6 no.2:300-302 Mr-Apr '65. (MIRA 18:7)

1. Fiziko-khimicheskiy institut imeni Karpova.

RODIONOV, A.N.; TIMOFLEYUK, G.V.; TALALAYEVA, T.V.; SHIGORIN, D.N.;
KOCHESHKOV, Z.A.

Infrared spectra of some acetylides of lithium, sodium, and
potassium. Izv. AN SSSR Ser. khim. no.1:42-46 '65.

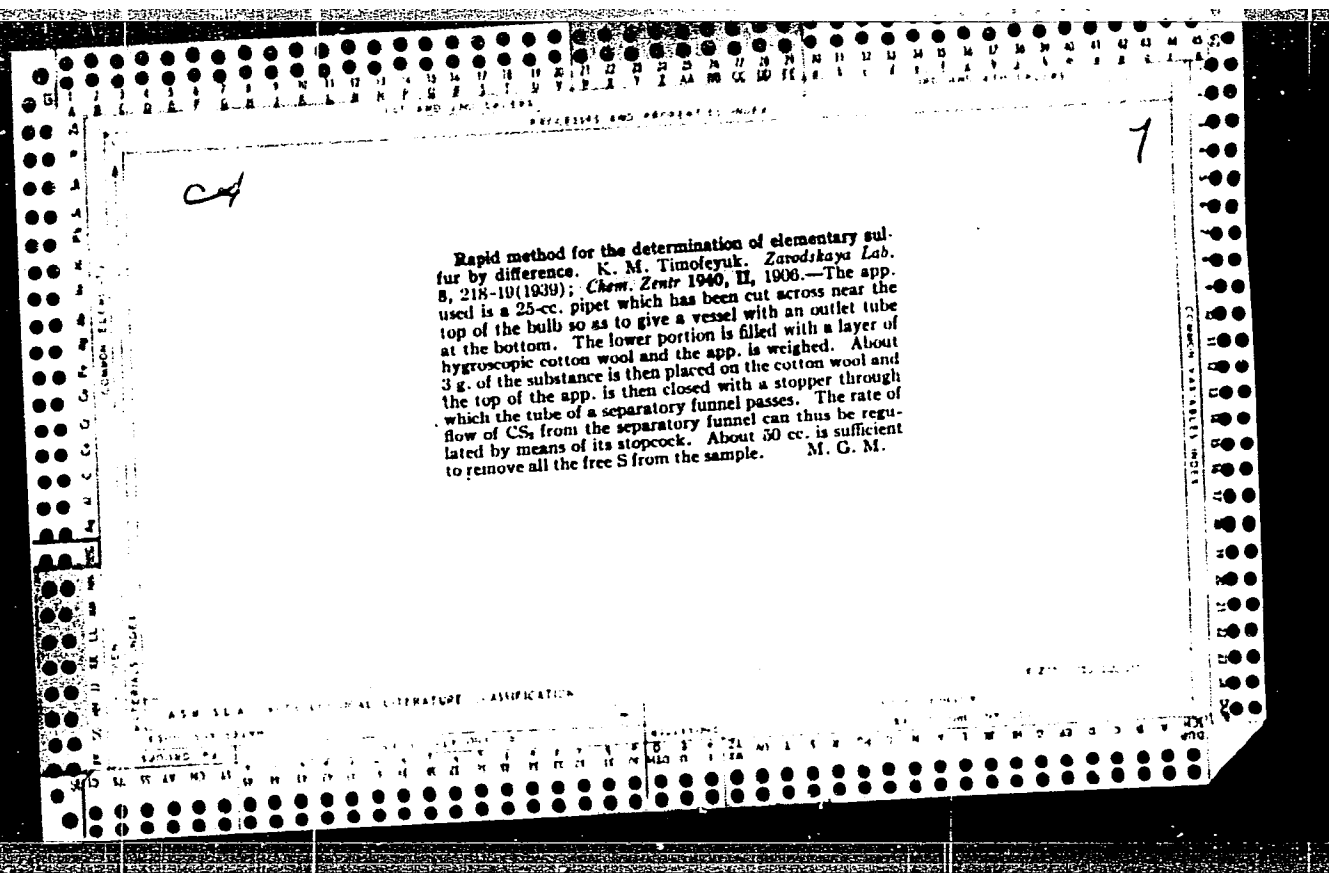
(MIRA 18:2)

1. Fiziko-khimicheskiy institut im. I.Ya. Karpova.

TALALAYEVA, T.V.; PETRIY, O.P.; TIMOFEYUK, G.V.; ZIMIN, A.V.;
Kocheshkov, K.A.

Synthesis of α, α' -difluoro- α, α' -dialkyl ethylenes
by means of organolithium compounds. Dokl. AN SSSR
154 no.2:398-400 Ja'64. (MIRA 17:2)

1. Fiziko-khimicheskiy institut im. L.Ya. Karpova.
2. Chlen-korrespondent AN SSSR (for Kocheshkov)..



Formaldehyde method of determining ammoniacal nitrogen in fertilizer mixtures and ammonium superphosphates. K. M. Pimolevsk, *Zavodskaya Lab.* 8, 1012 (1959). -The method involves the successful separation of NH_4^+ . Dissolve the NH_4^+ salts of a 10 g. wet ground fertilizer mixt. by shaking in a 500 ml. flask, add 2.5 g. CaCl_2 and neutralize the contents to a bright coloration with 20% NaOH in the presence of phenolphthalein. Remove excess alk. and sol. phosphates by adding 7 ml. of 10% FeCl_3 soln. Dil. the soln. to 500 ml. and filter. Acidify a portion of the filtrate to methyl red, then neutralize the soln. with NaOH in the presence of phenolphthalein. In this method of separation, the soln. contained 1 mg. P_2O_5 , which did not interfere with the analysis. The accuracy of the method is good. H. Z. Kammich

ASB 31.4 METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

LIST AND LINE CIPHERS

RELATIONS AND PROPERTIES

cf

Gelatin method for the precipitation of silica. K. M. Timofeyuk. Zashchitaya
Lab. 1933, No. 3, 19-21. Analysis of apatite ores for SiO_2 is speeded up by addn. of
gelatin during pptn. M. C. de Mohai

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AS - 55.4 METALLURGICAL LITERATURE CLASSIFICATION

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

11th AND 12th INDEXES

PROCESSES AND PROPERTIES INDEX

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The conclusions of V. I. Tovarnitskii and A. E. Maximovich on the influence of nitrogen on the yield and quality of sugar beets. K. M. TIMOFEEV. *Zhur. Sakharovoi Prom.* 4, 89 (1930).—T. analyzes the conclusions that NH_4N is not a favorable nitrogenous fertilizer for sugar beets and shows that the pH of the soil is the controlling factor, not the form of N. J. S. JOFFE

AND S. A. METALLURGICAL LITERATURE CLASSIFICATION

11th AND 12th INDEXES

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 104

BC TIMOFEYUK, K. M. B-III-1

Rapid analysis of fertilizers for assimilable phosphorus. K. M. TIMOFEYUK (Zavod. Lab., 1938, 7, 1311—1313).—2.5 g. of material are shaken for 10 min. with 125 ml. of Wagner's reagent, H₂O is added to 250 ml., and the suspension filtered. 25 ml. of the filtrate are added to 15 drops of conc. HNO₃, the solution is boiled for 3 min., 15 ml. of 34% NH₄NO₃ and 50 ml. of aq. (NH₄)₂MoO₄ are added, and the ppt. is collected, washed, and dissolved in standard NaOH, excess of which is titrated. R. T.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

REGION DIVISION

REGION BOWING

QUALITY CHECK ONLY

B-1-2
 BCL
 TIMOFEEV, K. M.
 DETERMINATION OF BITUMEN IN SULPHUR AND SULPHUR-CONTAINING COM.
 K. M. Timofeev (*Soviet. Lab.*, 1930, 8, 326-327).—Bitumen is
 determined by reference to its own colour in a CH₂ solution of the H-
 containing material. J. J. H.

[illegible]

TIMOFEYUK, N.

Some advice to skin divers. Voen.znan. 36 no.4:36 Ap '60.
(MIRA 13:4)

(Diving. Submarine)

TIMOFEYUK, N.; KARTASHEV, R.

Orientation under water. *Yezh. znar.* 40 no. 11:44-45 H 164.
(MIRA 18:1)

TIMOFEYUK, N., starshiy instruktor legkovodolaznogo dela

Checking and repairing underwater apparatus. Voen.znan.
38 no.1:33 Ja '62. (MIRA 15:2)
(Diving, Submarine)

1. TIHOFEYUYK, M.V.
2. USSR (600)
4. Fishery Products - Preservation
7. How to regulate salt dosage in mechanized assembly lines for salting anchovies and herring (*Clupeonella*), Ryb.khoz. 29 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

TIMOFIEJEV, A.; CHRISTODULO, D.; SZOPENSKIJ, A.

"Quick Cooling and Freezing of Gizzards." Tr. from the Russian. p.284
(PRZEMYSŁ ROLNY I SPOŻYWCZY Vol. 7, no. 8, August 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

26

Adsorbing Ability and Physico-Chemical Properties of Gases. II. Regularities With Regard to the Potential Theory of Adsorption. (In Russian.) M. M. Dubinin and D. P. Timofeyev. *Zhurnal Fizicheskoi Khimii* (Journal of Physical Chemistry), v. 22, Feb. 1948, p. 133-143.

Adsorption of a series of organic vapors on 2 specimens of activated carbon, differing in porosity, was investigated. A rational criterion of adsorption ability is proposed, in which adsorption is a function of several constants. 13 ref.

TIMOFIYEVSKAYA, L.A.

Toxicology of dinitroethylbenzene and trinitroethylbenzene.

Toks. nov. prom. khim. veshch. no.7:167-161 '65.

(MIRA 18:9)

TIMOFIYEVSKAYA, I.A.

Toxicity of nitroform. Toks. nov. prom. khim. veshch. no.6:
81-94 '64. (MIRA 18:4)

TIMOFREY, Iru Vet Tech ; Tikhonov, Iru Vet; Kornienko, Z. P. Cand Vet Sci; Veterinary Faculty of the Turkmen Agricultural Institute. "About the LP₁ treatment of hemosporidiosis of horses."

SO: Veterinariis 24, (3), 1947, p. 24

TIMOFEYEV, V.I., inzhener; KERIMZADE, A.S., kandidat tekhnicheskikh nauk;
KULIYEV, I.P., kandidat tekhnicheskikh nauk.

Inadequacies of the All-Union Standard People's Commissariat of Heavy
Industry 7687/663 edict "Welding joints and metals." Vest.mash. 33 no.11:
88-90 N '53. (MIRA 6:12)

(Welding--Standards)

TIMOFEYEVICH, I.M.

The GD-12-1 combing machine. Biul.tekh.-ekon.inform. no.8:
46-47 '59. (MIRA 13:1)
(Cotton combing)

TIMOGEYEV, V. P.

32614. TIMOGEYEV, V. P. Lesnichiy viktor egorovich graff. (1819-1867). les i
step', 1949, No 3, s. 7-11

SO: Letopis' Zhurnal' nykh Statey, Vol. 44

1. TIMOKHIN, A.
2. USSR (600)
4. Transportation, Automotive
7. Serving intradistrict communications by departmental transport,
Sov. sviaz., 3, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

1. TIMOKHIN, A.
2. USSR (600)
4. Telecommunication
7. Serving intradistrict communications by departmental transport,
Sov. sviaz, 3, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

TIMONIK, A. A.

A. D. GIKUROV, Vest Metallopromishlennosti, 1934, 14, 103-125

TIMOSHIN, A. A.

N. D. BIRIUKOV, Vest Metallopromishlennosti, 1934, 14, 118-134

DANIYELLO, L., prof.; TIMOK, I., dotsent; MIKHAYU, V.

Pseudotumoral forms of bronchial tuberculosis. Probl. tub. 38 no.3:
23-25 '60. (MIRA 14:5)

1. Iz bronkhologicheskogo otdeleniya Ftiziatricheskoy kliniki
v Kluzhe (dir. - prof. L.Daniyello).
(TUBERCULOSIS)

co

Electrolytic degreasing of metals D. V. Stepanov,
A. Y. Imokhin and E. N. Shvedskaya Russ. 40, 198,
March 31, 1969. Alk. electrolyte is used with the addition
of a catalyst obtained from the decomposition products of
an organic compound of animal origin.

TIKONIN, A. A.

N. D. BIRYUKOV, Vestn. Metallo., 1934, No. 4, 118-134

No. 5, 103-120

COMMON ELEMENTS		PROCESSES AND PROPERTIES INDEX	
<p>CA</p> <p>Pickling of iron with mineral acids in presence of regulators. L. V. Stepanov and A. A. Timokhin. <i>Vestnik Metalloprod.</i> 14, No. 1, 102-11, No. 2, 61-75(1934); <i>Chimie et Industrie</i> 32, 833-4.—The action of the regulators that were studied is based on the fact that the substances formed by the hydrolytic decomp. of proteins and contg. the CO₂H, OH, NH₂ and S radicals, are surface-active and are adsorbed at the metal-electrolyte interface. The initial amt. of the active substance decreases considerably the surface tension of the soln. and the adsorption increases proportionally with the concn. until satn. of the adsorbing layer with the active molts. The adsorbing layers have the power of accelerating the rate of chem. reactions when the polar molts. of the surface-active substance react with one of the constituents of the system. On the other hand, if the active substance is chemically inert, by adsorption it forms a thin film that retards or prevents the reaction. In the case</p>		<p>9</p> <p>of the pickling of metals, the polar molts., which are adsorbed at the surface of the metal, are but slightly adsorbed at the surface of the oxide covering the metal and exert little protective action on the oxide, whereas the film formed on the metal prevents its attack by the acid. Regulators decrease considerably the quantity of gas evolved during pickling, which constitutes a by no means negligible technological advantage, while at the same time improving the sanitary conditions of the operation. Moreover, the use of regulators permits of increasing the concn. of acid used for pickling and consequently the rate of the reaction. The loss of metal by pickling is generally about 8-4%; this is reduced to about 1-1.5% by addn. of a regulator.</p> <p>A. Papineau-Couture</p>	
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			

1ST AND 2ND COVERS										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH COVERS									
<p><i>BC</i></p> <p><i>B-2-5</i></p> <p>Pickling of iron with mineral acids in presence of regulators. L. V. STREKALOV and A. A. TIMOKHIN (Vestn. Metalloprom., 1934, 14, No. 1, 102-111; No. 2, 61-75).—In pickling the polar mols. of the regulator are adsorbed on the metal surface and protect it from attack by the acid. They are not adsorbed on the oxide. The loss of metal by pickling is reduced from 3-4% to 1-1.5% by addition of a regulator. Ch. Abs. (e)</p>																													
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																													
<p>1ST AND 2ND COVERS</p>										<p>PROCESSES AND PROPERTIES INDEX</p>										<p>3RD AND 4TH COVERS</p>									

TIMOKHIN, A. A.

N. D. BIRYUKOV, Vestnik Metalloprov. 14, No. 4, 118-34, 1934

LOBOV, N.M.; TIMOKHIN, A.P.

Some results of the work in the mechanization of production in the textile enterprises of the Moscow Region. Tekst.prom. 25
no.11:23-28 N '65. (MIRA 18:12)

1. Glavnyy spetsialist po tekstil'noy promyshlennosti TSentral'nogo proyektno-konstruktorskogo tekhnologicheskogo byuro Moskovskogo soveta narodnogo khozyaystva (for Lobov). 2. Glavnyy inzhener proyekta po tekstil'noy promyshlennosti TSentral'nogo proyektno-konstruktorskogo tekhnologicheskogo byuro Moskovskogo soveta narodnogo khozyaystva (for Timokhin).

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TIKORHIY, D.I., Sand Red Sci--(Risc) "Laboratory in preparation of
g on the use of ²⁰Mg ²¹thorium-cobalt catalyzer." Mos, 1958. 12 p.
(Min of Health USSR. Central Inst for the Adv. Med. Training of Physi-
cians), 200 copies (RI,45-50,153)

TIMOKHIN, D.I. (Moskva)

Hygienic aspects in the production and use of magnesium-thorium-
cobalt catalysts. Gig.truda i prof. zab. 2 no.3:42-50 My-Je '58
(MIRA 11:6)

1. Nauchno-issledovatel'skiy institut sanitarii i gigiyeny imeni
F.F. Erismans.

(THORIUM--PHYSIOLOGICAL EFFECT)

(COBALT--PHYSIOLOGICAL EFFECT)

BORISENZOVA, R.V.; TIMOKHIN, D.I.

Hygienic characteristics of noise and vibrations of mechanisms used
in open-pit mining. Uch. zap. Mosk.nauch.-issl.inst. san. i gig.
no.7:74-81 '60. (MIRA 15:2)
(NOISE) (MINING MACHINERY VIBRATION)

BORISENKOVA, R.V.; TIMOKHIN, D.I.

Dustiness of the air in the mines of the Moscow Basin and the
Eastern Donets Basin. Uch.zap.Mosk.nauch.--issl.inst.san.i gig.
no.8:11-15'61. (MIRA 16:7)

(MOSCOW BASIN--MINE DUSTS)
(DONETS BASIN--MINE DUSTS)

TIMOKHIN, D.I.; ZHILOV, Yu.D.

Labor hygiene problems in connection with new removal and
tunneling machinery in mines of the Moscow Coal Basin.

Uch.zap.Mosk.nauch.-issl.inst.san.i gig.no.8:16-Zh'el.

(MIRA 16:7)

(MINING MACHINERY---HYGIENE ASPECTS) (MOSCOW BASIN---COAL MINES AND MINING)

BORISENKOVA, R.V., kand.med.nauk; ROSHCHIN, I.V., dotsent.; TIMOKHIN, D.I.,
kand.med.nauk

Some problems in industrial hygiene related to the mechanization of
operations in the coal industry. Gig. i san. 26 no.11:24-29 N '61.
(MIRA 14:11)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny
imeni F.F.Erismana Ministerstva zdravookhraneniya RSFSR.
(COAL MINES AND MINING—HYGIENIC ASPECTS)

BORISENKOVA, R. V.; TIMOKHIN, D. I. (Moskva)

Problems in industrial hygiene in the open pit mining of iron
ore and nonferrous ores. Gig. truda i prof. zab. no.3:3-8 '62.
(MIRA 15:4)

1. Moskovskiy nauchno-issledovatel'skiy institut gigiyeny imeni
F. F. Erismana.

(MINING ENGINEERING--HYGIENIC ASPECTS)

TIMOKHIN, D.I., starshiy nauchnyy sotrudnik; FILIPPOV, V.V., mladshiy
nauchnyy sotrudnik

Effectiveness of dust control by preliminary moistening of coal
beds. Gig. i san. 28 no.1:108-110 Ja'63. (MIRA 16:7)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny
imeni F.F.Erismana.

(MINE DUSTS—PREVENTION)

TIMOKHIN, G.A.; KISSIN, B.I.

Continuous method of production of alpha-naphthylamine by
reduction of nitronaphthalene with sodium disulfide.

Khim.prom. no.3:255-256 Ap-My '60. (MIRA 13:8)

1. Kineshenskiy khimicheskiy zavod imeni M.V.Frunze.
(Naphthylamine) (Naphthalene)
(Sodium sulfide)

~~TIMOSHIN, G.A.~~ KISSIN, B.I.

Saponification of the ethyl ester of diphenylcarbamic acid
(diphenylurethan). Khim. nauka i prom. 3 no.4:537 '58. (MIRA 11:10)

1. Kineshemskiy khimicheskii zavod im. Frunze.
(Carbamic acid)

FINKEL'SHTEYN, M.Z.; TIMOKHIN, I.M.; SATIMBAYEV, R.S.; PODLEGAYEV, I.P.;
MALININA, A.I.

Using low-viscosity preparations of carboxymethylcellulose
for stabilizing weighted clay muds. Izv.vys.ucheb.zav.; neft'
i gaz 5 no.4125-27 '62. (MIRA 16:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlen-
nosti imeni akademika I.M.Gubkina, Namanganskiy zavod
iskusstvennogo volpkna.
(Cellulose) (Oil well drilling fluids)